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U.S. ENVIRONMENTAL PROTECTION AGENCY COLLECTION OF IRON AND STEEL INDUSTRY WASTEWATER TREATMENT CAPITAL COST DATA



Return to:

U.S. ENVIRONMENTAL PROTECTION AGENCY
COLLECTION OF IRON AND STEEL INDUSTRY
WASTEWATER TREATMENT CAPITAL COST DATA
c/o Eastern Research Group, Inc.
14555 Avion Parkway, Suite 200
Chantilly, VA 20151-1102

EPA Iron and Steel Survey Help Line:

Eastern Research Group, Inc.
Internet Electronic Mailing Address

(800) 357-7075
steel_helpline@erg.com



Printed on paper that contains at least 20 percent postconsumer fiber.

U.S. ENVIRONMENTAL PROTECTION AGENCY
COLLECTION OF IRON AND STEEL INDUSTRY WASTEWATER TREATMENT CAPITAL COST DATA

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INTRODUCTION

The U.S. Environmental Protection Agency (EPA) is conducting a follow-up survey to the Collection of 1997 Iron and Steel Industry Data survey to obtain capital cost information for wastewater treatment system upgrades and installations by the iron and steel industry. This survey requests cost information for specific wastewater treatment system installations and/or upgrades.

COMPLETION OF THE SURVEY

The survey should be completed by the person(s) most knowledgeable about the information requested. All sites must have the corporate official or designee responsible for directing or supervising the survey response sign the Certification Statement (located on page iii) to verify and validate the information provided.

Complete each question in the survey. In the event that exact data are not available, you are required to provide best engineering estimates and note the methods that were used to make the estimates on the Comments page located at the end of this survey. General instructions are provided on page iv, and additional instructions are provided as needed with each question.

If you would like to request a WordPerfect 5.1 version of the survey instrument, you must do so **in writing** within 20 days of receipt of this survey (see address under **WHERE TO RETURN THE SURVEY** on page iii). You are responsible for submitting a properly formatted hard copy of the survey by the due date which matches this survey's format. The electronic formatting of this survey is complex and may require more experienced clerical support. **Improperly formatted survey responses will be returned to the respondent!**

EPA IRON AND STEEL SURVEY HELP LINE

Information About the Wastewater Treatment Capital Cost Survey

Eastern Research Group, Inc. (800) 357-7075
Internet Electronic Mailing Address steel_helpline@erg.com

Form Approved
OMB Control No. 2040-0193
Approval Expires 08/31/2001

The public reporting and recordkeeping burden for this survey is estimated to average 12 hours. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid Office of Management and Budget (OMB) control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Office of Policy, Planning, and Evaluation, U.S. Environmental Protection Agency, Regulatory Information Division, MC 2137, 401 M Street, S.W., Washington, DC 20460. Include the OMB control number in any correspondence. Do not send the completed survey to this address.

AUTHORITY

This survey is conducted under authority of Section 308 of the Clean Water Act (Federal Water Pollution Control Act, 33 U.S.C. Section 1318). **All sites that receive this survey must respond to it.** Return all portions of the survey to the EPA **within 45 days** of receiving it. Late filing or failure to comply with these instructions may result in criminal fines, civil penalties, and other sanctions, as provided by law.

If you wish to request an extension for your site or discuss a delivery schedule for a company with multiple sites, you must do so **in writing** within 20 days of receipt of this survey. Send written requests to:

Mr. George Jett
U.S. Environmental Protection Agency (4303)
401 M Street, SW
Washington, DC 20460

Extension requests will be evaluated on a case-by-case basis. Submittal of an extension request to EPA does **not** alter the due date of your survey.

PROVISIONS REGARDING DATA CONFIDENTIALITY

Regulations governing the confidentiality of business information are contained in the Code of Federal Regulations (CFR) at Title 40 Part 2, Subpart B. You may assert a business confidentiality claim covering part or all of the information you submit, other than effluent data, as described in 40 CFR 2.203(b):

"(b) Method and time of asserting business confidentiality claim. A business which is submitting information to EPA may assert a business confidentiality claim covering the information by placing on (or attaching to) the information, at the time it is submitted to EPA, a cover sheet, stamped or typed legend, or other suitable form of notice complying language such as 'trade secret,' 'proprietary,' or 'company confidential.' Allegedly confidential portions of otherwise nonconfidential documents should be clearly identified by the business, and may be submitted separately to facilitate identification and handling by EPA. If the business desires confidential treatment only until a certain date or until the occurrence of a certain event, the notice should so state."

If no business confidentiality claim accompanies the information when it is received by EPA, EPA may make the information available to the public without further notice.

You may claim as confidential all information included on a page by checking the Confidential Business Information (CBI) box at the bottom of the page for which responses contain CBI. Alternatively, all pages in this survey marked with a CBI check box may be claimed confidential now by checking the box at the end of this paragraph. If you do not check this box, any individual page where "CBI" is **NOT** checked will be considered nonconfidential. Note that you may be required to justify any claim of confidentiality at a later time.

All Data are CBI G

Information covered by a claim of confidentiality will be disclosed by EPA only to the extent of, and by means of, the procedures set forth in 40 CFR Part 2, Subpart B. In general, submitted information protected by a business confidentiality claim may be disclosed to other employees, officers, or authorized representatives of the United States concerned with implementing the Clean Water Act.

Information covered by a claim of confidentiality will be made available to EPA contractors under EPA Contract Numbers 68-C6-0044, 68-C6-0022, and 68-C4-0046 to enable the contractors to perform the work required by their contracts with EPA. All EPA contracts provide that contractor employees use the information only for the purpose of performing the work required by their contracts and will not disclose any CBI to anyone other than

EPA without prior written approval from each affected business or from EPA's legal office. Any comments you may wish to make on this issue must be submitted in writing along with your completed survey.

WHERE TO RETURN THE SURVEY

After completing the survey and certifying the information that it contains, use the enclosed mailing label to mail the completed survey to:

U.S. Environmental Protection Agency
Collection of Iron and Steel Industry Wastewater Treatment Capital Cost Data
c/o Eastern Research Group, Inc.
14555 Avion Parkway, Suite 200
Chantilly, VA 20151-1102

Retain a copy of the completed survey, including attachments. EPA will review the information submitted and may request your cooperation in answering follow-up questions, if necessary, to complete analyses.

CERTIFICATION STATEMENT FOR THE WASTEWATER TREATMENT CAPITAL COST SURVEY

I certify under penalty of law that Part A: Technical Information of the enclosed survey response was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, accurate and complete. In those cases where we did not possess the requested information, we provided best engineering estimates in response to the questions. We have to the best of our ability indicated what we believe to be company confidential business information as defined under 40 CFR Part 2, Subpart B. We understand that we may be required at a later time to justify our claim in detail with respect to each item claimed confidential. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment as explained in Section 308 of the Clean Water Act.

Signature of Certifying Official

Date

Printed Name of Certifying Official

(_____)_____
Telephone Number

Title of Certifying Official

COLLECTION OF IRON AND STEEL INDUSTRY WASTEWATER TREATMENT CAPITAL COST DATA

This survey is designed to collect capital cost information for treatment system installations and upgrades as a follow-up to industry responses to the "U.S. Environmental Protection Agency Collection of 1997 Iron and Steel Industry Data, Part A: Technical Information." Provide the capital cost information requested by this survey for the wastewater treatment project(s) described below. One set of questions is included for each treatment project selected for response to this survey.

Description of project(s):

EPA will provide in this space a list of site-specific wastewater treatment installations and/or upgrades. The site must complete a set of survey questions for each project listed.

GENERAL INSTRUCTIONS

If a particular part of the requested information is not applicable to your site, enter "NA" rather than leaving the answer blank.

You are required to provide best engineering estimates when data are not readily available. If you provide an estimate, note the methods that were used to make the estimates on the comments page at the end of the section.

If you have any questions regarding the completion of this survey, contact the helpline at (800) 357-7075 or email your questions to steel_helpline@erg.com.

If you have any comments on a question or you feel an answer needs clarification, use the Comments page at the end of the section.

For all costs, do not adjust for inflation. Rather, provide the year that costs were incurred.

Indicate if the response for a project should be treated as confidential by checking the Confidential Business Information (CBI) box at the bottom of the page. Any response where "CBI" is not checked will be considered nonconfidential. Follow the instructions given in the PROVISIONS REGARDING DATA CONFIDENTIALITY section on page ii to indicate which information in your response is confidential, so that such information may be protected under EPA's confidentiality procedures set forth in 40 CFR Part 2, Subpart B.

Provide the following information about the project listed below:

(One of the wastewater treatment installations or upgrades from page iv will be listed in this space)

1. Provide the names, titles, telephone numbers, and facsimile numbers of the primary and secondary contacts at your site for information supplied in this survey.

_____ Primary Contact Name	_____ Secondary Contact Name
_____ Primary Contact Title	_____ Secondary Contact Title
(_____) Telephone Number	(_____) Telephone Number
(_____) Facsimile Number	(_____) Facsimile Number

2. Attach any process flow diagrams or engineering drawings for the project which were not previously included in the Collection of 1997 Iron and Steel Industry Data survey. Write your site ID shown on the cover page on each attachment. If you believe that an attachment should be treated as confidential, stamp it "Confidential" or write "Confidential" or "CBI" across the top.

3. Complete the table below for the costs associated with the project (include the year each cost was incurred). You are required to provide best engineering estimates when data are not readily available. If you have data for costs itemized differently, complete the table below using best engineering estimates and provide the additional data as an attachment. Write your site ID on the attachment and mark it as confidential if necessary.

Type of Cost	Project	Cost	Year Cost Incurred
Direct	Purchased equipment (includes all equipment for the installation or upgrade: mechanical equipment; electrical equipment; spare parts and noninstalled equipment spares; freight charges; taxes, insurance, and duties)	\$	
	Purchased equipment installation (includes installation of all equipment: electrical equipment, mechanical equipment, structural supports, insulation, and paint)	\$	
	Instrumentation and control (includes purchase, installation, and calibration)	\$	
	Piping (includes cost of pipe, pipe hangers, fittings, valves, insulation)	\$	
	Buildings (all buildings constructed to house treatment units, operator rooms, or other operations associated with the wastewater treatment system; also includes cost of all building systems: plumbing, heating, ventilation, dust collection, air conditioning, building lighting, telephones, intercommunication system, painting, sprinkler systems, fire alarm)	\$	
	Site preparation (includes site clearing (not including major demolition), grading, roads, walking areas, fences)	\$	
	Major site demolition (other than site preparation, see above)	\$	
	Land (includes property costs and survey fees)	\$	
Indirect	Engineering costs (includes process design and general engineering, drafting, cost engineering, consulting fees, supervision, inspection)	\$	
	Construction expenses (includes temporary construction offices, roads, communications, fencing; construction tools and equipment; permits, taxes, insurance)	\$	
	Contractor's fees	\$	
	Contingency actually expended (to compensate for unpredictable events such as storms, floods, strikes, price changes, errors in estimates, design changes, etc.)	\$	
Total capital cost for project		\$	

4. In the table below, itemize the ***purchased equipment*** and ***purchased equipment installation*** costs provided in Question 3 for each major piece of equipment. The total for purchased equipment and installation should match the responses for these items in Question 3. Examples for major pieces of equipment are listed below the table. If data are not readily available in this format, use best engineering estimates.

Major Piece of Equipment (see examples below)	Purchased Equipment Cost	Installation Cost	Year Cost Incurred
	\$	\$	
	\$	\$	
	\$	\$	
	\$	\$	
	\$	\$	
	\$	\$	
	\$	\$	
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	\$	\$	
	\$	\$	
	\$	\$	
	\$	\$	
	\$	\$	
	\$	\$	
TOTAL:	\$	\$	

Examples of major pieces of equipment:

- Aerator
- Agitator
- Ammonia still (specify fixed or free)
- API separator
- Chemical feed system (specify chemical)
- Clarifier, circular, steel
- Classifier
- Earthen lagoon (specify lining type)
- Filter, wastewater (specify media)
- Inclined plate separator
- Ion exchange system

- Oil belt skimmer
- Oil/water separator (specify type)
- Plate-and-frame filter press, sludge
- Pump, sludge (specify location)
- Pump, wastewater (specify location)
- Reverse osmosis system
- Sludge dryer
- Tank, concrete (specify in ground or above)
- Tank, fiberglass (specify in ground or above)
- Tank, steel (specify in ground or above)
- Vacuum drum filter, sludge

COMMENTS FOR THE COLLECTION OF IRON AND STEEL INDUSTRY WASTEWATER TREATMENT CAPITAL COST DATA

Indicate the confidential status of your comment by checking (✓) the box in the column titled "CBI" (Confidential Business Information). If you need additional space, photocopy this page before writing on it and number each copy in the space provided in the upper right corner.

CBI	Comment
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